

UPPU 09/735,066

=> d his 110-122

(FILE 'REGISTRY' ENTERED AT 11:57:43 ON 05 OCT 2001)

L10 22322 S NCNC3-NC5/ES
L11 STR
L12 0 S L11
L13 STR L11
L14 0 S L13
L15 3 S L13 SSS SAM SUB=L10
L16 3 S L11 SSS SAM SUB=L10
L17 12 S L11 SSS FUL SUB=L10
SAVE L17 UPP066P/A

FILE 'HCAPLUS' ENTERED AT 12:51:59 ON 05 OCT 2001

L18 1 S L17

FILE 'CAOLD' ENTERED AT 12:52:33 ON 05 OCT 2001

L19 0 S L17

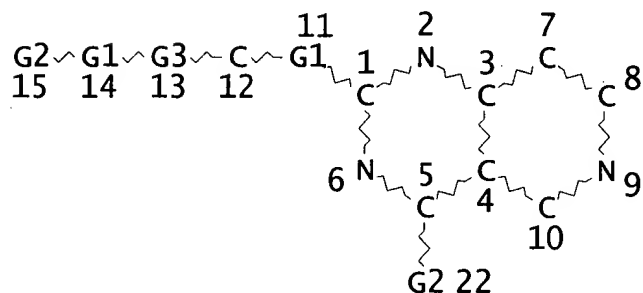
FILE 'BEILSTEIN' ENTERED AT 12:52:49 ON 05 OCT 2001

L20 2 S L11 FUL
L21 0 S L17
L22 0 S L20 AND PRE/FA

UPPU 09/735,066

=> d que 118

L10 22322 SEA FILE=REGISTRY ABB=ON PLU=ON NCNC3-NC5/ES
L11 STR



Cy @16 O~Cb Cb~N
@18 19 20 @21

VAR G1=O/N/C
VAR G2=16/18/21
REP G3=(0-2) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS UNS AT 16
GGCAT IS UNS AT 19
GGCAT IS UNS AT 20
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 21

STEREO ATTRIBUTES: NONE
L17 12 SEA FILE=REGISTRY SUB=L10 SSS FUL L11
L18 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L17

=> d 120 all

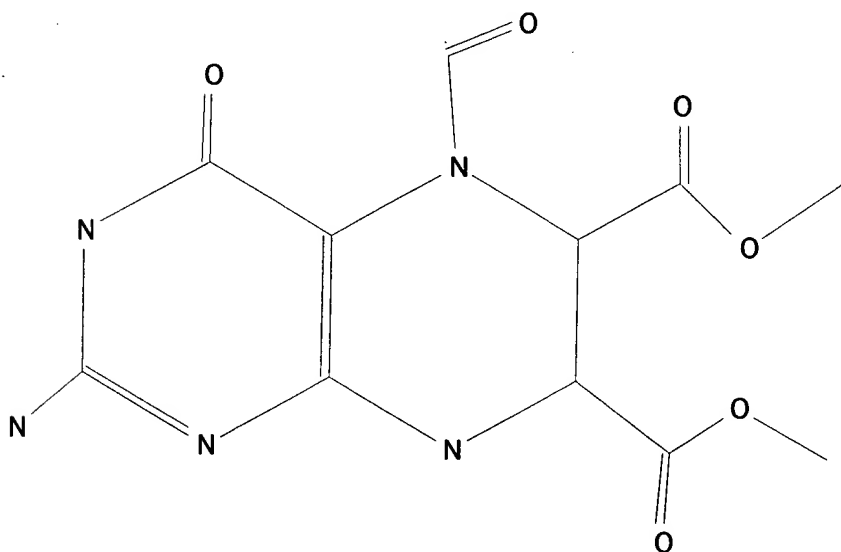
L20 ANSWER 1 OF 2 COPYRIGHT 2001 BEILSTEIN CDS MDLI
ITERATION INCOMPLETE

Beilstein Reg. No. (BRN): 1182123 Beilstein
Molecular Formula (MF): C11 H13 N5 O6
Lin. Struct. Formula (LSF): C11H13N5O6(1+)
Chemical Name (CN):
2-amino-5-formyl-4-oxo-3,4,5,6,7,8-hexahydro-
pteridine-6,7-dicarboxylic acid dimethyl
ester
Beilstein Reference (SO): 5-26
Formula weight (FW): 311.25
Lawson Number (LN): 30744; 1145; 289

Ring System Data:

Number of Rings (CNR): 2
Ring Systems (CNRS): 1
Diff. Ring Systems (CNDRS): 1
Ring Heteros (CNRH): 4
Acyclic Heteros (CNAH): 7

Beilstein Ring Index (BRIX)	Ring System Formula (RF)	BRIX Count
10.2.6-4.25-2.14	C6N4	1



Fragment Notes:

Unknown location for Localized Charge of (+1)

Dissociation Exponent:

DE

Reference(s):

1. Mengel; Pfleiderer, Chem.Ber., 111 <1978>, 3790,3795,3803,

CODEN:

CHBEAM

CTECB Electrochemical Behaviour: pH of aqueous solutions

Reference(s):

1. Mengel; Pfleiderer, Chem.Ber., 111 <1978>, 3790,3795,3803,

CODEN:

CHBEAM

CTUNCH Unchecked Data: UV/VIS

Reference(s):

1. Mengel; Pfleiderer, Chem.Ber., 111 <1978>, 3790,3795,3803,

CODEN:

CHBEAM

=> d 120 all 2

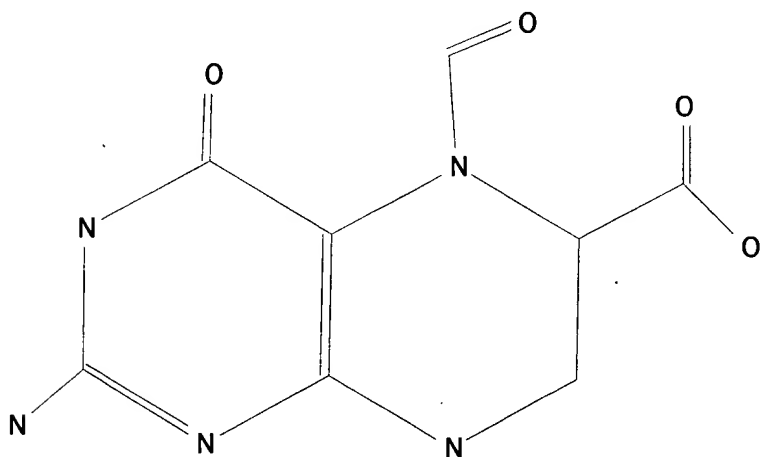
L20 ANSWER 2 OF 2 COPYRIGHT 2001 BEILSTEIN CDS MDLI
ITERATION INCOMPLETE

Beilstein Reg. No. (BRN): 1159521 Beilstein
Molecular Formula (MF): C8 H9 N5 O4
Lin. Struct. Formula (LSF): C8H9N5O4(1+)
Chemical Name (CN):
2-amino-5-formyl-4-oxo-3,4,5,6,7,8-hexahydro-
pteridine-6-carboxylic acid
Beilstein Reference (SO): 5-26
Formula Weight (FW): 239.19
Lawson Number (LN): 30749; 1145

Ring System Data:

Number of Rings (CNR): 2
Ring Systems (CNRS): 1
Diff. Ring Systems (CNDRS): 1
Ring Heteros (CNRH): 4
Acyclic Heteros (CNAH): 5

Beilstein Ring Index (BRIX)	Ring System Formula (RF)	BRIX Count
10.2.6-4.25-2.14	C6N4	1



Fragment Notes:

Unknown location for Localized Charge of (+1)

Dissociation Exponent:

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CTUNCH Unchecked Data: UV/VIS

Reference(s):

1. Mengel; Pfleiderer, Chem.Ber., 111 <1978>, 3790,3795,3803,

CODEN:

CHBEAM